10584720

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LOGINID:ssptasxm1624

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	NOV 23	Addition of SCAN format to selected STN databases
NEWS 11	NOV 23	Annual Reload of IFI Databases
NEWS 12	DEC 01	FRFULL Content and Search Enhancements
NEWS 13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 04:25:26 ON 04 JAN 2010

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 04:25:36 ON 04 JAN 2010
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JAN 2010 HIGHEST RN 1200115-43-0
DICTIONARY FILE UPDATES: 3 JAN 2010 HIGHEST RN 1200115-43-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10584720.str

chain nodes :
7
ring nodes :
1 2 3 4 5 6
ring/chain bonds :
2-7
ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

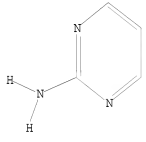
G1

G2:H,CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS

L1   STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1   STR



G1

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sam
SAMPLE SEARCH INITIATED 04:25:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   53745 TO ITERATE

  3.7% PROCESSED   2000 ITERATIONS   50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 1061057 TO 1088743
PROJECTED ANSWERS: 35538 TO   40778

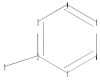
L2   50 SEA SSS SAM L1

=> del l1-

10584720

DELETE L1-L2? (Y)/N:y

=>
Uploading C:\Program Files\Stnexp\Queries\10584720.str



chain nodes :
7
ring nodes :
1 2 3 4 5 6
ring/chain bonds :
2-7
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

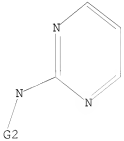
G1

G2:H,CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G2

G1

G2 H,Me

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sam
SAMPLE SEARCH INITIATED 04:27:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    53745 TO ITERATE

  3.7% PROCESSED     2000 ITERATIONS                                50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:      1061057 TO  1088743
PROJECTED ANSWERS:          509531 TO   528821

L2           50 SEA SSS SAM L1

=> s l1 ful
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 191.05 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 04:28:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  1081262 TO ITERATE

 96.7% PROCESSED  1045961 ITERATIONS                          499953 ANSWERS

100.0% PROCESSED  1081262 ITERATIONS                          521550 ANSWERS
SEARCH TIME: 00.00.18

L3       521550 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\10584720.str
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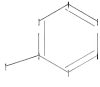

```
chain nodes :
7
ring nodes :
1  2  3  4  5  6
ring/chain bonds :
2-7
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
2-7
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6
isolated ring systems :
containing 1 :
```

G1

G2:H,CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS

L4 STRUCTURE UPLOADED

=> d
L4 HAS NO ANSWERS
L4 STR

G1
G2 H,Me

Structure attributes must be viewed using STN Express query preparation.

=> s l4 sam
SAMPLE SEARCH INITIATED 04:29:42 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 409 TO ITERATE

100.0% PROCESSED 409 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6967 TO 9393
PROJECTED ANSWERS: 2389 TO 3891

L5 50 SEA SSS SAM L4

=> s l4 ful
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 191.05 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 04:29:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7590 TO ITERATE

100.0% PROCESSED 7590 ITERATIONS 3109 ANSWERS
SEARCH TIME: 00.00.01

```
L6          3109 SEA SSS FUL L4

=> fil capl
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                  385.53     385.75

FILE 'CAPLUS' ENTERED AT 04:29:52 ON 04 JAN 2010
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FILE COVERS 1907 - 4 Jan 2010  VOL 152 ISS 2
FILE LAST UPDATED: 3 Jan 2010  (20100103/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Oct 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d hist

     (FILE 'HOME' ENTERED AT 04:25:26 ON 04 JAN 2010)

     FILE 'REGISTRY' ENTERED AT 04:25:36 ON 04 JAN 2010
L1             STRUCTURE UPLOADED
L2          50 S L1 SAM
L3      521550 S L1 FUL
L4             STRUCTURE UPLOADED
L5          50 S L4 SAM
L6        3109 S L4 FUL

     FILE 'CAPLUS' ENTERED AT 04:29:52 ON 04 JAN 2010

=> s l3 and l6
TOO MANY TERMS FOR FILE CROSSOVER IN L3
There are limits on the size of an answer set being crossed over from
one file to another.  Enter HELP CROSSOVER at an arrow prompt (=>)
```

for specific information.

=> s l3
TOO MANY TERMS FOR FILE CROSSOVER IN L3
There are limits on the size of an answer set being crossed over from one file to another. Enter HELP CROSSOVER at an arrow prompt (=>) for specific information.

=> fil reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 1.00 386.75

FILE 'REGISTRY' ENTERED AT 04:30:59 ON 04 JAN 2010
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STRUCTURE FILE UPDATES: 3 JAN 2010 HIGHEST RN 1200115-43-0
DICTIONARY FILE UPDATES: 3 JAN 2010 HIGHEST RN 1200115-43-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10584720.str

chain nodes :
7
ring nodes :
1 2 3 4 5 6
ring/chain bonds :
2-7
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-7

normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

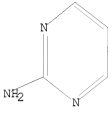
G1

G2:H,CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS

L7 STRUCTURE UPLOADED

=> d
L7 HAS NO ANSWERS
L7 STR



G1
G2 H,Me

Structure attributes must be viewed using STN Express query preparation.

=> s l7 sam
SAMPLE SEARCH INITIATED 04:31:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 53745 TO ITERATE

3.7% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1061057 TO 1088743
PROJECTED ANSWERS: 35538 TO 40778

L8 50 SEA SSS SAM L7

=> s l7 ful
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 191.05 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 04:31:18 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1081262 TO ITERATE

100.0% PROCESSED 1081262 ITERATIONS 42154 ANSWERS
SEARCH TIME: 00.00.15

L9 42154 SEA SSS FUL L7

=> fil capl
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	191.54	578.29

FILE 'CAPLUS' ENTERED AT 04:31:35 ON 04 JAN 2010
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FILE COVERS 1907 - 4 Jan 2010 VOL 152 ISS 2
FILE LAST UPDATED: 3 Jan 2010 (20100103/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d hist

(FILE 'HOME' ENTERED AT 04:25:26 ON 04 JAN 2010)

FILE 'REGISTRY' ENTERED AT 04:25:36 ON 04 JAN 2010
L1 STRUCTURE UPLOADED
L2 50 S L1 SAM
L3 521550 S L1 FUL
L4 STRUCTURE UPLOADED
L5 50 S L4 SAM
L6 3109 S L4 FUL

FILE 'CAPLUS' ENTERED AT 04:29:52 ON 04 JAN 2010

```
     FILE 'REGISTRY' ENTERED AT 04:30:59 ON 04 JAN 2010
L7                STRUCTURE UPLOADED
L8             50 S L7 SAM
L9          42154 S L7 FUL

     FILE 'CAPLUS' ENTERED AT 04:31:35 ON 04 JAN 2010

=> s l9 and l6
           28418 L9
             222 L6
L10           24 L9 AND L6

=> d l10 ibib abs hitstr 1-24
```

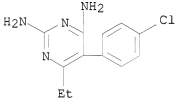
L10 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846114 CAPLUS
DOCUMENT NUMBER: 151:92851
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

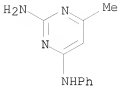
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 58-14-0 7781-29-5 78927-60-3
91717-22-5 489415-50-1 684235-55-0
714278-25-8 896852-32-7
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

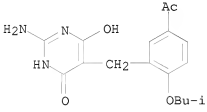
RN 58-14-0 CAPLUS
CN 2,4-Pyrimidinediamine, 5-(4-chlorophenyl)-6-ethyl- (CA INDEX NAME)



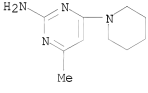
RN 7781-29-5 CAPLUS
CN 2,4-Pyrimidinediamine, 6-methyl-N4-phenyl- (CA INDEX NAME)



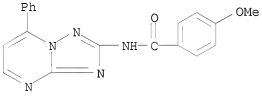
RN 78927-60-3 CAPLUS
CN 4(3H)-Pyrimidinone, 5-[[5-acetyl-2-(2-methylpropoxy)phenyl]methyl]-2-amino-6-hydroxy- (CA INDEX NAME)



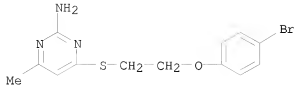
RN 91717-22-5 CAPLUS
CN 2-Pyrimidinamine, 4-methyl-6-(1-piperidinyl)- (CA INDEX NAME)



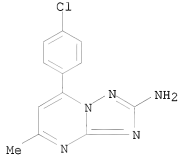
RN 489415-50-1 CAPLUS
CN Benzamide, 4-methoxy-N-(7-phenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)- (CA INDEX NAME)



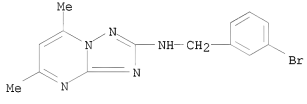
RN 684235-55-0 CAPLUS
CN 2-Pyrimidinamine, 4-[[2-(4-bromophenoxy)ethyl]thio]-6-methyl- (CA INDEX NAME)



RN 714278-25-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 7-(4-chlorophenyl)-5-methyl- (CA INDEX NAME)



RN 896852-32-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, N-[(3-bromophenyl)methyl]-5,7-dimethyl- (CA INDEX NAME)



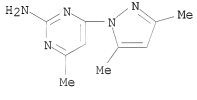
L10 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846113 CAPLUS
DOCUMENT NUMBER: 151:92850
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

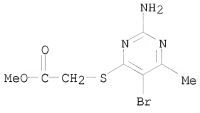
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 91716-38-0 327169-87-9 339017-70-8
382608-90-4 477865-49-9 488852-19-3
824978-81-6
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

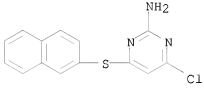
RN 91716-38-0 CAPLUS
CN 2-Pyrimidinamine, 4-(3,5-dimethyl-1H-pyrazol-1-yl)-6-methyl- (CA INDEX NAME)



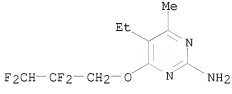
RN 327169-87-9 CAPLUS
CN Acetic acid, 2-[(2-amino-5-bromo-6-methyl-4-pyrimidinyl)thio]-, methyl ester (CA INDEX NAME)



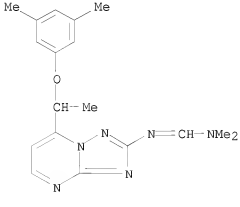
RN 339017-70-8 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-6-(2-naphthalenylthio)- (CA INDEX NAME)



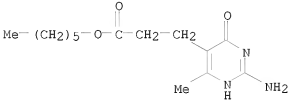
RN 382608-90-4 CAPLUS
CN 2-Pyrimidinamine, 5-ethyl-4-methyl-6-(2,2,3,3-tetrafluoropropoxy)- (CA INDEX NAME)



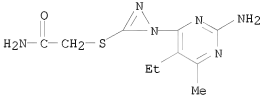
RN 477865-49-9 CAPLUS
CN Methanimidamide, N'-[7-[1-(3,5-dimethylphenoxy)ethyl][1,2,4]triazolo[1,5-a]pyrimidin-2-yl]-N,N-dimethyl- (CA INDEX NAME)



RN 488852-19-3 CAPLUS
CN 5-Pyrimidinepropanoic acid, 2-amino-1,6-dihydro-4-methyl-6-oxo-, hexyl ester (CA INDEX NAME)



RN 824978-81-6 CAPLUS
CN Acetamide, 2-[[1-(2-amino-5-ethyl-6-methyl-4-pyrimidinyl)-1H-diazirin-3-yl]thio]- (CA INDEX NAME)



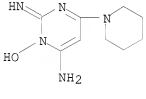
L10 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846112 CAPLUS
DOCUMENT NUMBER: 151:92849
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 16317-69-4 23256-42-0 26974-09-4
54806-92-7 339015-98-4 339017-61-7
477865-35-3 717860-73-6
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

RN 16317-69-4 CAPLUS
CN 4-Pyrimidinamine, 2,3-dihydro-3-hydroxy-2-imino-6-(1-piperidinyl)- (CA INDEX NAME)

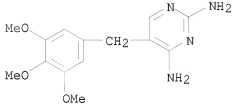


RN 23256-42-0 CAPLUS
CN Propanoic acid, 2-hydroxy-, compd. with 5-[(3,4,5-trimethoxyphenyl)methyl]-2,4-pyrimidinediamine (1:1) (CA INDEX NAME)

CM 1

CRN 738-70-5

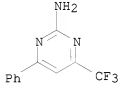
CMF C14 H18 N4 O3



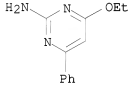
CM 2

CRN 50-21-5
CMF C3 H6 O3

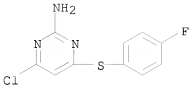
RN 26974-09-4 CAPLUS
CN 2-Pyrimidinamine, 4-phenyl-6-(trifluoromethyl)- (CA INDEX NAME)



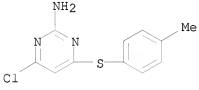
RN 54806-92-7 CAPLUS
CN 2-Pyrimidinamine, 4-ethoxy-6-phenyl- (CA INDEX NAME)



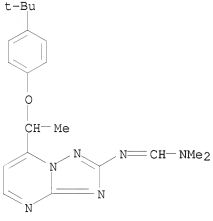
RN 339015-98-4 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-6-[(4-fluorophenyl)thio]- (CA INDEX NAME)



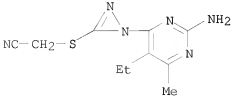
RN 339017-61-7 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-6-[(4-methylphenyl)thio]- (CA INDEX NAME)



RN 477865-35-3 CAPLUS
CN Methanimidamide, N'-[7-[1-[4-(1,1-dimethylethyl)phenoxy]ethyl][1,2,4]triazolo[1,5-a]pyrimidin-2-yl]-N,N-dimethyl- (CA INDEX NAME)



RN 717860-73-6 CAPLUS
CN Acetonitrile, 2-[[1-(2-amino-5-ethyl-6-methyl-4-pyrimidinyl)-1H-diazirin-3-yl]thio]- (CA INDEX NAME)



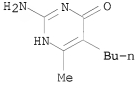
L10 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846111 CAPLUS
DOCUMENT NUMBER: 151:92848
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

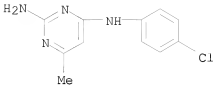
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 4038-64-6 7752-45-6 113458-62-1
303145-62-2 327098-68-0 340808-92-6
477865-39-7 799834-95-0
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

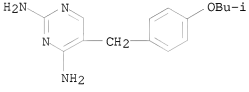
RN 4038-64-6 CAPLUS
CN 4(3H)-Pyrimidinone, 2-amino-5-butyl-6-methyl- (CA INDEX NAME)



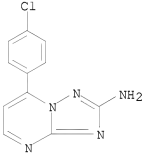
RN 7752-45-6 CAPLUS
CN 2,4-Pyrimidinediamine, N4-(4-chlorophenyl)-6-methyl- (CA INDEX NAME)



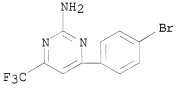
RN 113458-62-1 CAPLUS
CN 2,4-Pyrimidinediamine, 5-[[4-(2-methylpropoxy)phenyl]methyl]- (CA INDEX NAME)



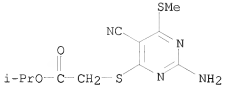
RN 303145-62-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 7-(4-chlorophenyl)- (CA INDEX NAME)



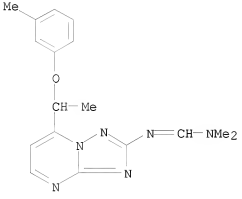
RN 327098-68-0 CAPLUS
CN 2-Pyrimidinamine, 4-(4-bromophenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



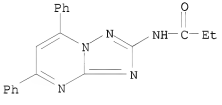
RN 340808-92-6 CAPLUS
CN Acetic acid, 2-[[2-amino-5-cyano-6-(methylthio)-4-pyrimidinyl]thio]-, 1-methylethyl ester (CA INDEX NAME)



RN 477865-39-7 CAPLUS
CN Methanimidamide, N,N-dimethyl-N'-[7-[1-(3-methylphenoxy)ethyl][1,2,4]triazolo[1,5-a]pyrimidin-2-yl]- (CA INDEX NAME)



RN 799834-95-0 CAPLUS
CN Propanamide, N-(5,7-diphenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)- (CA INDEX NAME)



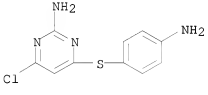
L10 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846109 CAPLUS
DOCUMENT NUMBER: 151:92846
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

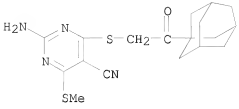
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 339016-19-2 371940-04-4 445264-92-6
876716-07-3 900276-73-5 1026092-90-9
1026093-00-4
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

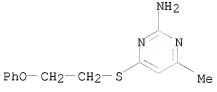
RN 339016-19-2 CAPLUS
CN 2-Pyrimidinamine, 4-[(4-aminophenyl)thio]-6-chloro- (CA INDEX NAME)



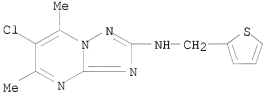
RN 371940-04-4 CAPLUS
CN 5-Pyrimidinecarbonitrile, 2-amino-4-(methylthio)-6-[(2-oxo-2-tricyclo[3.3.1.13,7]dec-1-ylethyl)thio]- (CA INDEX NAME)



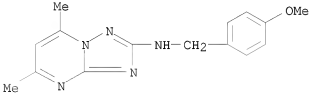
RN 445264-92-6 CAPLUS
CN 2-Pyrimidinamine, 4-methyl-6-[(2-phenoxyethyl)thio]- (CA INDEX NAME)



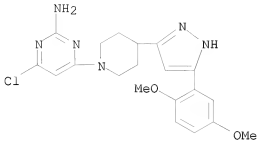
RN 876716-07-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine,
6-chloro-5,7-dimethyl-N-(2-thienylmethyl)- (CA INDEX NAME)



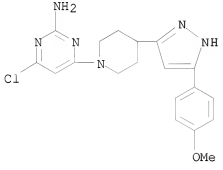
RN 900276-73-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine,
N-[(4-methoxyphenyl)methyl]-5,7-dimethyl- (CA INDEX NAME)



RN 1026092-90-9 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-6-[4-[5-(2,5-dimethoxyphenyl)-1H-pyrazol-3-yl]-
1-piperidinyl]- (CA INDEX NAME)



RN 1026093-00-4 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-6-[4-[5-(4-methoxyphenyl)-1H-pyrazol-3-yl]-1-piperidinyl]- (CA INDEX NAME)



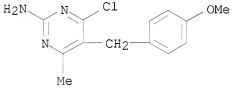
L10 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846108 CAPLUS
DOCUMENT NUMBER: 151:92845
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

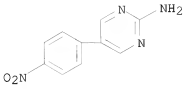
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 16682-67-0 31402-65-0 100763-80-2
500268-51-9 714278-26-9 836626-81-4
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

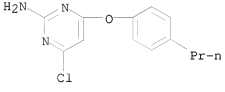
RN 16682-67-0 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-5-[(4-methoxyphenyl)methyl]-6-methyl- (CA INDEX NAME)



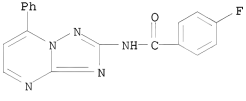
RN 31402-65-0 CAPLUS
CN 2-Pyrimidinamine, 5-(4-nitrophenyl)- (CA INDEX NAME)



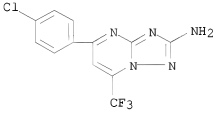
RN 100763-80-2 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-6-(4-propylphenoxy)- (CA INDEX NAME)



RN 500268-51-9 CAPLUS
CN Benzamide, 4-fluoro-N-(7-phenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)- (CA INDEX NAME)



RN 714278-26-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5-(4-chlorophenyl)-7-(trifluoromethyl)- (CA INDEX NAME)



RN 836626-81-4 CAPLUS
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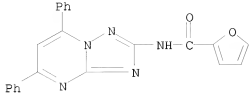
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Ph

L10 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846107 CAPLUS
DOCUMENT NUMBER: 151:92844
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 68364-50-1 259868-31-0 445391-18-4
477865-40-0 478067-18-4 669751-86-4
683798-99-4 713506-45-7 1027619-77-7
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

RN 68364-50-1 CAPLUS
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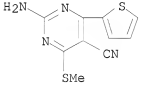
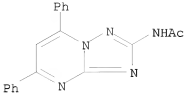
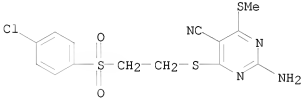


RN 259868-31-0 CAPLUS
CN Acetamide, N-(5,7-diphenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)- (CA INDEX NAME)



RN 445391-18-4 CAPLUS
CN 5-Pyrimidinecarbonitrile, 2-amino-4-[[2-[(4-chlorophenyl)sulfonyl]ethyl]thio]-6-(methylthio)- (CA INDEX NAME)



RN 477865-40-0 CAPLUS
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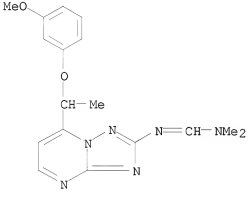
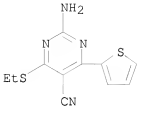


RN 478067-18-4 CAPLUS
CN 5-Pyrimidinecarbonitrile, 2-amino-4-(ethylthio)-6-(2-thienyl)- (CA INDEX NAME)



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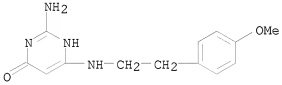

RN 683798-99-4 CAPLUS
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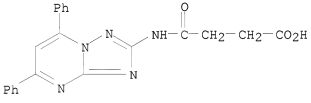

RN 713506-45-7 CAPLUS
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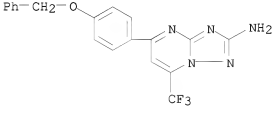

RN 1027619-77-7 CAPLUS
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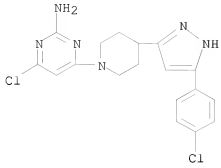
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L10 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846106 CAPLUS
DOCUMENT NUMBER: 151:92843
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 738-70-5 22370-25-8 37409-97-5
114460-83-2 135324-04-8 329311-58-2
329715-55-1 331723-32-1 477865-43-3
510738-27-9
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

RN 738-70-5 CAPLUS
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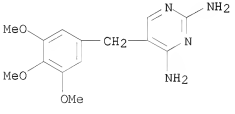

RN 22370-25-8 CAPLUS
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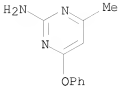
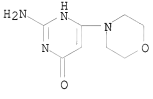


RN 37409-97-5 CAPLUS
CN 4(3H)-Pyrimidinone, 2-amino-6-(4-morpholinyl)- (CA INDEX NAME)



RN 114460-83-2 CAPLUS
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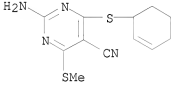
(CA INDEX NAME)



RN 135324-04-8 CAPLUS
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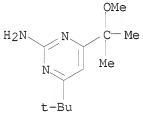
INDEX NAME)



RN 329311-58-2 CAPLUS
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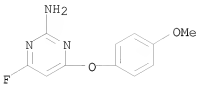

RN 329715-55-1 CAPLUS
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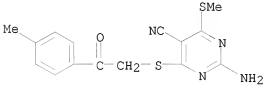

RN 331723-32-1 CAPLUS
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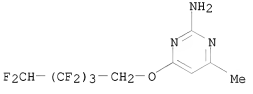

RN 477865-43-3 CAPLUS
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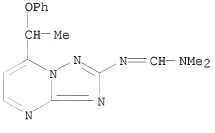

RN 510738-27-9 CAPLUS
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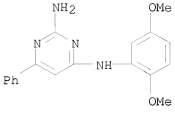
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L10 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846102 CAPLUS
DOCUMENT NUMBER: 151:92839
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 34945-91-0 100763-77-7 152491-80-0
443322-80-3 478067-19-5 697230-66-3
713508-33-9 714278-27-0 825656-89-1
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

RN 34945-91-0 CAPLUS
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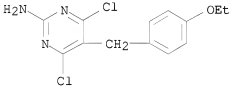

RN 100763-77-7 CAPLUS
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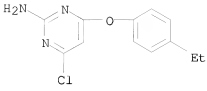

RN 152491-80-0 CAPLUS
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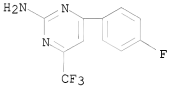

RN 443322-80-3 CAPLUS
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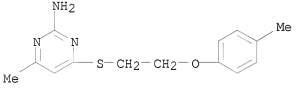

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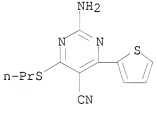

RN 697230-66-3 CAPLUS
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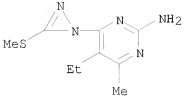
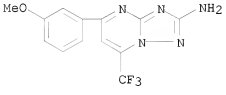
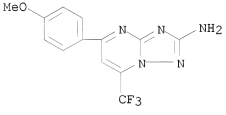


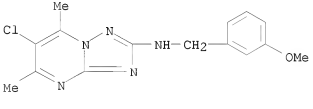
RN 713508-33-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine,
5-(3-methoxyphenyl)-7-(trifluoromethyl)- (CA INDEX NAME)



RN 714278-27-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine,
5-(4-methoxyphenyl)-7-(trifluoromethyl)- (CA INDEX NAME)



RN 825656-89-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine,
6-chloro-N-[(3-methoxyphenyl)methyl]-5,7-dimethyl- (CA INDEX NAME)



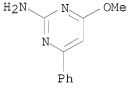
L10 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846101 CAPLUS
DOCUMENT NUMBER: 151:92838
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 36315-02-3 101460-12-2 103360-33-4
312615-14-8 690689-07-7 714278-24-7
792947-97-8
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

RN 36315-02-3 CAPLUS
CN 2-Pyrimidinamine, 4-methoxy-6-phenyl- (CA INDEX NAME)



RN 101460-12-2 CAPLUS
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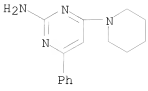
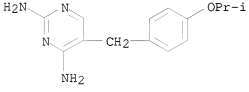
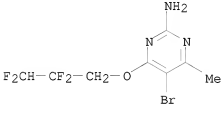


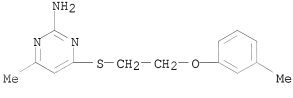
RN 103360-33-4 CAPLUS
CN 2,4-Pyrimidinediamine, 5-[[4-(1-methylethoxy)phenyl]methyl]- (CA INDEX NAME)



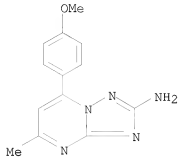
RN 312615-14-8 CAPLUS
CN 2-Pyrimidinamine, 5-bromo-4-methyl-6-(2,2,3,3-tetrafluoropropoxy)- (CA INDEX NAME)



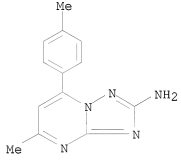
RN 690689-07-7 CAPLUS
CN 2-Pyrimidinamine, 4-methyl-6-[[2-(3-methylphenoxy)ethyl]thio]- (CA INDEX NAME)



RN 714278-24-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 7-(4-methoxyphenyl)-5-methyl- (CA INDEX NAME)



RN 792947-97-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5-methyl-7-(4-methylphenyl)- (CA INDEX NAME)



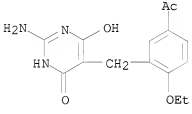
L10 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846100 CAPLUS
DOCUMENT NUMBER: 151:92837
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

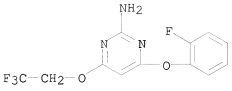
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 78927-56-7 328561-73-5 339016-18-1
497865-06-2 510722-80-2
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

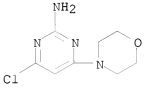
RN 78927-56-7 CAPLUS
CN 4(3H)-Pyrimidinone, 5-[(5-acetyl-2-ethoxyphenyl)methyl]-2-amino-6-hydroxy- (CA INDEX NAME)



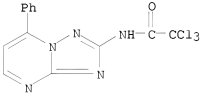
RN 328561-73-5 CAPLUS
CN 2-Pyrimidinamine, 4-(2-fluorophenoxy)-6-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



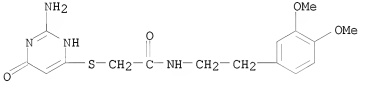
RN 339016-18-1 CAPLUS
CN 2-Pyrimidinamine, 4-chloro-6-(4-morpholinyl)- (CA INDEX NAME)



RN 497865-06-2 CAPLUS
CN Acetamide, 2,2,2-trichloro-N-(7-phenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)- (CA INDEX NAME)



RN 510722-80-2 CAPLUS
CN Acetamide, 2-[(2-amino-3,6-dihydro-6-oxo-4-pyrimidinyl)thio]-N-[2-(3,4-dimethoxyphenyl)ethyl]- (CA INDEX NAME)



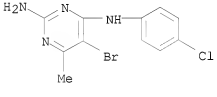
L10 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:846099 CAPLUS
DOCUMENT NUMBER: 151:92836
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20090163545	A1	20090625	US 2008-341615		20081222
US 20090163545	A1	20090625	US 2008-341615		20081222
PRIORITY APPLN. INFO.:			US 2008-23801P	P	20080125
			US 2007-16362P	P	20071221
			US 2008-341615		20081222

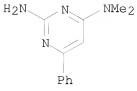
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 7788-06-9 36315-07-8 718602-01-8
799829-34-8 876715-65-0 899409-27-9
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)

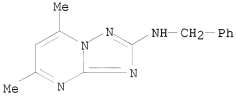
RN 7788-06-9 CAPLUS
CN 2,4-Pyrimidinediamine, 5-bromo-N4-(4-chlorophenyl)-6-methyl- (CA INDEX NAME)



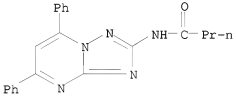
RN 36315-07-8 CAPLUS
CN 2,4-Pyrimidinediamine, N4,N4-dimethyl-6-phenyl- (CA INDEX NAME)



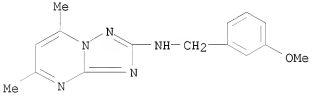
RN 718602-01-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dimethyl-N-(phenylmethyl)-
(CA INDEX NAME)



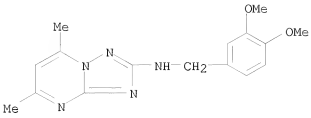
RN 799829-34-8 CAPLUS
CN Butanamide, N-(5,7-diphenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)- (CA
INDEX NAME)



RN 876715-65-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine,
N-[(3-methoxyphenyl)methyl]-5,7-dimethyl- (CA INDEX NAME)



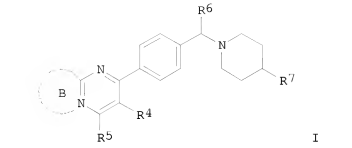
RN 899409-27-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine,
N-[(3,4-dimethoxyphenyl)methyl]-5,7-dimethyl- (CA INDEX NAME)


Me
N
N
NH
CH2
OMe
OMe
N
N
Me

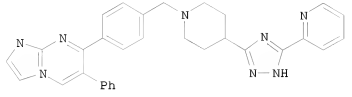
L10 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:205869 CAPLUS
DOCUMENT NUMBER: 150:237631
TITLE: Preparation of fused bicyclic pyrimidines as inhibitors of PI3K/Akt pathway
INVENTOR(S): Hoelder, Swen; Vennemann, Matthias; Beneke, Gerrit; Zuelch, Armin; Gekeler, Volker; Beckers, Thomas; Zimmermann, Astrid; Joshi, Hemant
PATENT ASSIGNEE(S): Bayer Schering Pharma A.-G, Germany
SOURCE: PCT Int. Appl., 148pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2009021992	A2	20090219	WO 2008-EP60690	20080814
WO 2009021992	A3	20090416		
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
IN 2007MU01572	A	20090529	IN 2007-MU1572	20070814
EP 2050748	A1	20090422	EP 2007-118736	20071018
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS				
US 20090137607	A1	20090528	US 2008-191703	20080814
PRIORITY APPLN. INFO.:			IN 2007-MU1572 A	20070814
			EP 2007-118736 A	20071018

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 150:237631
GI



I



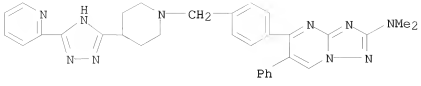
II

AB Title compds. represented by the formula I [wherein ring B and the pyrimidine to which it is fused form a ring system selected from (un)substituted imidazo[1,2-a]pyrimidine, triazolo[1,5-a]pyrimidine or pyrazolo[1,5-a]pyrimidine; R4 = Ph or thienyl; R5 = H, alkoxy, amino, etc.; R6 = H or alkyl; R7 = -W-Y; W = (un)substituted heteroarylene; Y = (un)substituted Ph or heteroaryl; and their pharmaceutically acceptable salts, tautomers or stereoisomers thereof] were prepared as inhibitors of PI3K/Akt pathway. For example, II was provided in a multi-step synthesis starting from the reaction of di-Et phenylmalonate with 2-aminoimidazole sulfate. Selected I were tested for inhibition of cellular PI3K/Akt pathway and cellular pGSK3, cellular proliferation in cytotoxicity assay, and antiproliferative/cytotoxic activity. Thus, I and their pharmaceutical compns. are useful for the treatment and/or prophylaxis of hyperproliferative diseases and/or disorders responsive to induction of apoptosis.

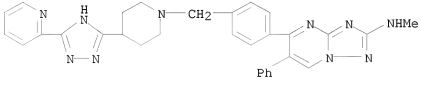
IT 1116117-64-6P, N,N-Dimethyl-6-phenyl-5-[4-[[4-[5-(pyridin-2-yl)-1,2,4-triazol-3-yl]piperidin-1-yl]methyl]phenyl][1,2,4]triazolo[1,5-a]pyrimidin-2-amine 1116117-70-4P, N-Methyl-6-phenyl-5-[4-[[4-[5-(pyridin-2-yl)-1,2,4-triazol-3-yl]piperidin-1-yl]methyl]phenyl][1,2,4]triazolo[1,5-a]pyrimidin-2-amine 1116117-74-8P, 6-Phenyl-5-[4-[[4-[5-(pyridin-2-yl)-1,2,4-triazol-3-yl]piperidin-1-yl]methyl]phenyl][1,2,4]triazolo[1,5-a]pyrimidin-2-amine
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fused bicyclic pyrimidines as inhibitors of PI3K/Akt pathway)

RN 1116117-64-6 CAPLUS

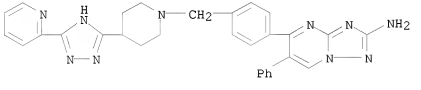
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, N,N-dimethyl-6-phenyl-5-[4-[[4-[5-(2-pyridinyl)-1H-1,2,4-triazol-3-yl]-1-piperidinyl]methyl]phenyl]- (CA INDEX NAME)



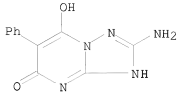
RN 1116117-70-4 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, N-methyl-6-phenyl-5-[4-[[4-[5-(2-pyridinyl)-1H-1,2,4-triazol-3-yl]-1-piperidinyl]methyl]phenyl]- (CA INDEX NAME)



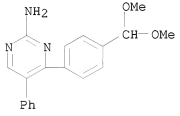
RN 1116117-74-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 6-phenyl-5-[4-[[4-[5-(2-pyridinyl)-1H-1,2,4-triazol-3-yl]-1-piperidinyl]methyl]phenyl]- (CA INDEX NAME)



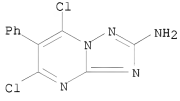
IT 259086-39-0P, 2-Amino-6-phenyl-[1,2,4]triazolo[1,5-a]pyrimidine-5,7-diol 1116116-71-2P, 4-[4-(Dimethoxymethyl)phenyl]-5-phenylpyrimidin-2-amine 1116117-57-7P, 5,7-Dichloro-6-phenyl-[1,2,4]triazolo[1,5-a]pyrimidin-2-amine 1116117-65-7P, 4-[2-(Dimethylamino)-6-phenyl-[1,2,4]triazolo[1,5-a]pyrimidin-5-yl]benzaldehyde
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of fused bicyclic pyrimidines as inhibitors of PI3K/Akt pathway)
RN 259086-39-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-5(1H)-one, 2-amino-7-hydroxy-6-phenyl- (CA INDEX NAME)



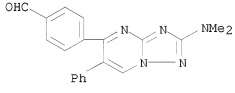
RN 1116116-71-2 CAPLUS
CN 2-Pyrimidinamine, 4-[4-(dimethoxymethyl)phenyl]-5-phenyl- (CA INDEX NAME)



RN 1116117-57-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dichloro-6-phenyl- (CA INDEX NAME)



RN 1116117-65-7 CAPLUS
CN Benzaldehyde, 4-[2-(dimethylamino)-6-phenyl[1,2,4]triazolo[1,5-a]pyrimidin-5-yl]- (CA INDEX NAME)



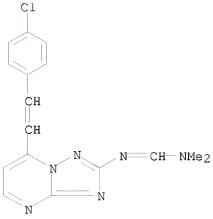
L10 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2007:61837 CAPLUS
DOCUMENT NUMBER: 146:156236
TITLE: Cellular cholesterol absorption modifiers, and their therapeutic use
INVENTOR(S): Gardiner, Elisabeth M.; Duron, Sergio G.; Massari, Mark E.; Severance, Daniel L.; Semple, Joseph E.
PATENT ASSIGNEE(S): Kalypsys, Inc., USA
SOURCE: PCT Int. Appl., 300pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007008541	A2	20070118	WO 2006-US26242	20060705
WO 2007008541	A3	20070726		

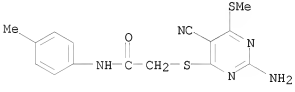
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.:		
US 2005-697659P	P	20050708
US 2005-697686P	P	20050708
US 2005-697814P	P	20050708
US 2005-727646P	P	20051017
US 2006-782303P	P	20060313

OTHER SOURCE(S): MARPAT 146:156236
AB The invention discloses compds. and methods useful as inhibitors of cholesterol absorption for the treatment or prevention of vascular disease and atherosclerosis.
IT 303145-86-0 328281-97-6
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cholesterol absorption modifiers and therapeutic use)
RN 303145-86-0 CAPLUS
CN Methanimidamide, N'-[7-[2-(4-chlorophenyl)ethenyl][1,2,4]triazolo[1,5-a]pyrimidin-2-yl]-N,N-dimethyl- (CA INDEX NAME)



RN 328281-97-6 CAPLUS
CN Acetamide, 2-[[2-amino-5-cyano-6-(methylthio)-4-pyrimidinyl]thio]-N-(4-methylphenyl)- (CA INDEX NAME)

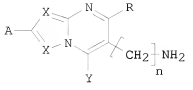


OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L10 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:655605 CAPLUS
DOCUMENT NUMBER: 145:124590
TITLE: Azolopyrimidine-based inhibitors of dipeptidyl peptidase IVC and their preparation, pharmaceutical compositions and use for treatment of multiple diseases
INVENTOR(S): Meng, Wei; Hamann, Lawrence G.; Brigance, Robert Paul
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 180 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006071752	A1	20060706	WO 2005-US46706	20051223
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20060178377	A1	20060810	US 2005-314470	20051221
US 7635699	B2	20091222		
EP 1836206	A1	20070926	EP 2005-855291	20051223
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				

PRIORITY APPLN. INFO.: US 2004-640135P P 20041229
WO 2005-US46706 W 20051223
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 145:124590; MARPAT 145:124590
GI



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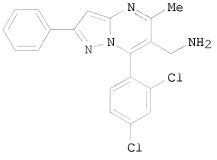


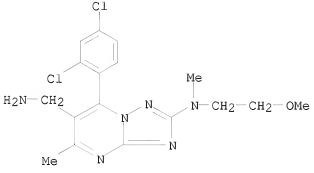
II

AB This invention provides compds. of formula I as dipeptidyl peptidase IV (Dpp-4) inhibitors, and a method for treating multiple diseases or disorders by employing azolopyrimidine-based inhibitors alone or in combination with another type of therapeutic agent. Compds. of formula I wherein n is 1 or 2; R and A are independently H, halo, CF3, (un)substituted amino, (un)substituted alkyl, (un)substituted alkenyl, (un)substituted alkynyl, (un)substituted (bi)cycloalkyl(alkyl), (un)substituted alkylthioalkyl, etc.; X is N or C-A, where at least one of X is N; Y is (un)substituted (hetero)aryl; and their pharmaceutically acceptable salts, prodrugs and stereoisomers thereof is claimed. Example compound II•TFA was prepared by condensation of 2,4-dichlorobenzaldehyde with 5-phenyl-1H-pyrazol-3-amine and Me acetoacetate; the resulting Me 7-(2,4-dichlorophenyl)-5-methyl-2-phenyl-6,7-dihydropyrazolo[1,5-a]pyrimidine-6-carboxylate underwent dehydrogenation with DDQ to give Me 7-(2,4-dichlorophenyl)-5-methyl-2-phenylpyrazolo[1,5-a]pyrimidine-6-carboxylate, which underwent hydrolysis to give 7-(2,4-dichlorophenyl)-5-methyl-2-phenylpyrazolo[1,5-a]pyrimidine-6-carboxylic acid, which reacted with Et chloroformate to give the mixed hydride, which underwent reduction to give the corresponding alc., which was converted to the mesylate, which underwent substitution with sodium azide and reduction of the azide to give compound II•TFA. All the invention compds. were evaluated for their DPP-4 inhibitory activity. From the assay, the Ki and IC50 can be determined

IT 896456-38-5P 896456-39-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of azolopyrimidines as dipeptidyl peptidase IV inhibitors useful in treatment of multiple diseases)

RN 896456-38-5 CAPLUS

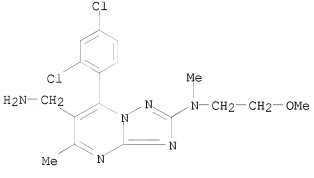
CN [1,2,4]Triazolo[1,5-a]pyrimidine-6-methanamine, 7-(2,4-dichlorophenyl)-2-[(2-methoxyethyl)methylamino]-5-methyl- (CA INDEX NAME)



RN 896456-39-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine-6-methanamine,
7-(2,4-dichlorophenyl)-2-[(2-methoxyethyl)methylamino]-5-methyl-,
2,2,2-trifluoroacetate (1:?) (CA INDEX NAME)

CM 1

CRN 896456-38-5
CMF C17 H20 C12 N6 O

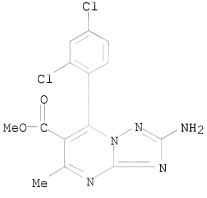


CM 2

CRN 76-05-1
CMF C2 H F3 O2

IT 896459-25-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)
(intermediate; preparation of azolopyrimidines as dipeptidyl peptidase IV inhibitors useful in treatment of multiple diseases)
RN 896459-25-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine-6-carboxylic acid, 2-amino-7-(2,4-dichlorophenyl)-5-methyl-, methyl ester (CA INDEX NAME)



IT 109-12-6, 2-Aminopyrimidine
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; preparation of azolopyrimidines as dipeptidyl peptidase IV inhibitors useful in treatment of multiple diseases)
RN 109-12-6 CAPLUS
CN 2-Pyrimidinamine (CA INDEX NAME)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:902740 CAPLUS
DOCUMENT NUMBER: 143:263095
TITLE: Selective high-affinity polydentate ligands and methods of making such
INVENTOR(S): Denardo, Sally; Denardo, Gerald; Rodney, Balhorn
PATENT ASSIGNEE(S): The Regents of the University of California, USA
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

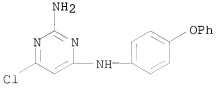
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077065	A2	20050825	WO 2005-US4134	20050208
WO 2005077065	A3	20051222		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

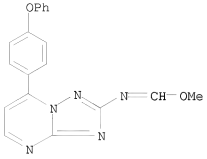
US 20060084115	A1	20060420	US 2005-55181	20050209

PRIORITY APPLN. INFO.: US 2004-543444P P 20040209
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB This invention provides novel polydentate selective high affinity ligands (SHALs) that can be used in a variety of applications in a manner analogous to the use of antibodies. SHALs typically comprise a multiplicity of ligands that each bind different region of the target mol. The ligands are joined directly or through a linker thereby forming a polydentate moiety that typically binds the target mol. with high selectivity and avidity.
IT 339016-03-4 863134-27-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(selective high-affinity polydentate ligands and methods of making such)
RN 339016-03-4 CAPLUS
CN 2,4-Pyrimidinediamine, 6-chloro-N4-(4-phenoxyphenyl)- (CA INDEX NAME)



RN 863134-27-4 CAPLUS
CN Methanimidic acid, N-[7-(4-phenoxyphenyl)[1,2,4]triazolo[1,5-a]pyrimidin-2-

yl]-, methyl ester (CA INDEX NAME)



OS.CITING REF COUNT:	1	THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:612292 CAPLUS
DOCUMENT NUMBER: 143:133388
TITLE: Cyclocondensation process for the preparation of (un)substituted 2-amino[1,2,4]triazolo[1,5-a]pyrimidines from 2-aminopyrimidines and aryloxycarbonyl or alkyloxycarbonyl isothiocyanates with a hydroxylammonium salt and a base
INVENTOR(S): Gebhardt, Joachim
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 12 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

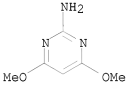
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063753	A1	20050714	WO 2004-EP14596	20041222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004309056	A1	20050714	AU 2004-309056	20041222
AU 2004309056	B2	20091119		
CA 2550874	A1	20050714	CA 2004-2550874	20041222
EP 1699794	A1	20060913	EP 2004-804192	20041222
EP 1699794	B1	20080102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1898245	A	20070117	CN 2004-80038604	20041222
BR 2004018135	A	20070427	BR 2004-18135	20041222
JP 2007515449	T	20070614	JP 2006-546054	20041222
ZA 2006005472	A	20071128	ZA 2006-5472	20041222
AT 382622	T	20080115	AT 2004-804192	20041222
ES 2295960	T3	20080416	ES 2004-804192	20041222
KR 2006110333	A	20061024	KR 2006-712499	20060622
IN 2006DN03607	A	20070824	IN 2006-DN3607	20060622
MX 2006007400	A	20060913	MX 2006-7400	20060623
US 20070238873	A1	20071011	US 2007-584720	20070409

PRIORITY APPLN. INFO.:	EP 2003-29728	A	20031223
	US 2003-531613P	P	20031223
	WO 2004-EP14596	W	20041222

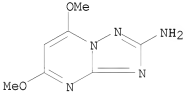
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 143:133388; MARPAT 143:133388
AB A process for the preparation of (un)substituted 2-amino[1,2,4]triazolo[1,5-a]pyrimidines [e.g., 2-amino-5,7-dimethoxy-[1,2,4]triazolo[1,5-a]pyrimidine] comprises

combining (A) 2-aminopyrimidines (e.g., 2-amino-4,6-dimethoxypyrimidine) with alkyloxycarbonyl isothiocyanates (e.g., ethoxycarbonyl isothiocyanate) or aryloxycarbonyl isothiocyanates with (B) hydroxylammonium salt (e.g., hydroxylammonium sulfate) and a base (e.g., caustic soda) where the reaction is carried out in a polar aprotic organic solvent at 40-150°.

IT 36315-01-2, 2-Amino-4,6-dimethoxypyrimidine
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation process for the preparation of (un)substituted 2-amino[1,2,4]triazolo[1,5-a]pyrimidines from 2-aminopyrimidines and aryloxycarbonyl or alkyloxycarbonyl isothiocyanates with a hydroxylammonium salt and a base)
RN 36315-01-2 CAPLUS
CN 2-Pyrimidinamine, 4,6-dimethoxy- (CA INDEX NAME)



IT 13223-43-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(cyclocondensation process for the preparation of (un)substituted 2-amino[1,2,4]triazolo[1,5-a]pyrimidines from 2-aminopyrimidines and aryloxycarbonyl or alkyloxycarbonyl isothiocyanates with a hydroxylammonium salt and a base)
RN 13223-43-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dimethoxy- (CA INDEX NAME)



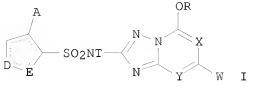
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:368480 CAPLUS
DOCUMENT NUMBER: 136:369733
TITLE: Preparation of N-([1,2,4]triazoloazinyl) thiophenesulfonamides as herbicides
INVENTOR(S): Arndt, Kim Eric; Johnson, Timothy Calvin; Ouse, David George
PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
SOURCE: PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038572	A1	20020516	WO 2001-US45600	20011102
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2427816	A1	20020516	CA 2001-2427816	20011102
AU 2002018007	A	20020521	AU 2002-18007	20011102
US 20020094935	A1	20020718	US 2001-873	20011102
US 6518222	B2	20030211		
EP 1330458	A1	20030730	EP 2001-993606	20011102
EP 1330458	B1	20090603		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001015121	A	20030930	BR 2001-15121	20011102
JP 2004513174	T	20040430	JP 2002-541104	20011102
CN 1221552	C	20051005	CN 2001-818219	20011102
AT 432935	T	20090615	AT 2001-993606	20011102
ES 2324154	T3	20090731	ES 2001-993606	20011102
US 20030199393	A1	20031023	US 2002-326730	20021219
US 6645918	B2	20031111		
MX 2003003923	A	20040505	MX 2003-3923	20030502

PRIORITY APPLN. INFO.: US 2000-246115P P 20001103
US 2001-873 A3 20011102
WO 2001-US45600 W 20011102

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 136:369733
GI



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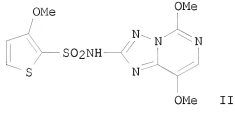


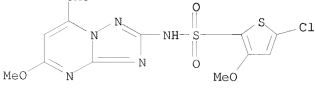
II

AB The title compds. [I; X = CH, N; Y = CZ, N with the proviso that X and Y are not both N; W = H, OR with the proviso that when Y = CZ, then W = H; Z = R, OR, halo; D and E = S, CB with the proviso that one of D or E = S; A, B = H, halo, CF3, etc.; T = H, SO2R1, COR1, etc.; R1 = H, alkyl, and, when T = H, their agriculturally acceptable salts], useful as herbicides, were prepared from appropriately substituted 2-amino[1,2,4]triazolo[1,5-c]pyrimidine, 2-amino[1,2,4]triazolo[1,5-a]pyrimidine and 2-amino[1,2,4]triazolo[1,5-a]pyridine compds. and appropriately substituted thiophenesulfonyl chlorides. Thus, amidation of 2-amino-5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidine with 3-methoxythiophene-2-sulfonyl chloride in the presence of pyridine and DMSO in MeCN afforded 50% II which showed 100% control against giant foxtail (Setaria faberi) at 3.9 ppm in postemergence test.

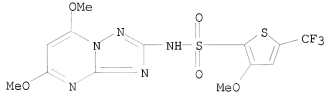
IT 425426-29-5P 425426-31-9P 425426-48-8P
425426-54-6P 425426-60-4P 425426-71-7P
425426-73-9P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-([1,2,4]triazoloazinyl) thiophenesulfonamides as herbicides)

RN 425426-29-5 CAPLUS

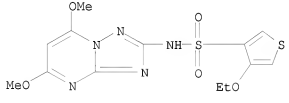
CN 2-Thiophenesulfonamide, 5-chloro-N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-3-methoxy- (CA INDEX NAME)



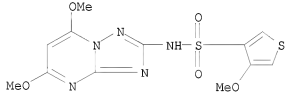
RN 425426-31-9 CAPLUS
CN 2-Thiophenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-3-methoxy-5-(trifluoromethyl)- (CA INDEX NAME)



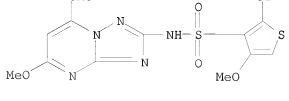
RN 425426-48-8 CAPLUS
CN 3-Thiophenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-4-ethoxy- (CA INDEX NAME)



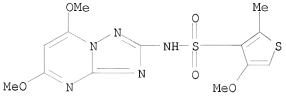
RN 425426-54-6 CAPLUS
CN 3-Thiophenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-4-methoxy- (CA INDEX NAME)



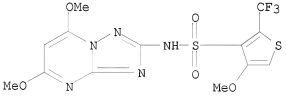
RN 425426-60-4 CAPLUS
CN 3-Thiophenesulfonamide, 2-chloro-N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-4-methoxy- (CA INDEX NAME)



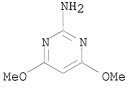
RN 425426-71-7 CAPLUS
CN 3-Thiophenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-4-methoxy-2-methyl- (CA INDEX NAME)



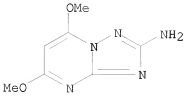
RN 425426-73-9 CAPLUS
CN 3-Thiophenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-4-methoxy-2-(trifluoromethyl)- (CA INDEX NAME)



IT 36315-01-2, 2-Amino-4,6-dimethoxypyrimidine
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of N-([1,2,4]triazoloazinyl) thiophenesulfonamides as herbicides)
RN 36315-01-2 CAPLUS
CN 2-Pyrimidinamine, 4,6-dimethoxy- (CA INDEX NAME)



IT 13223-43-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of N-([1,2,4]triazoloazinyl) thiophenesulfonamides as herbicides)
RN 13223-43-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dimethoxy- (CA INDEX NAME)



OS.CITING REF COUNT:	3	THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT:	28	THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:353458 CAPLUS
DOCUMENT NUMBER: 136:369730
TITLE: Preparation of N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl) arylsulfonamides as herbicides
INVENTOR(S): Johnson, Timothy Calvin; Vanheertum, John Cord; Ouse, David George; Pobanz, Mark Andrew; Arndt, Kim Eric; Walker, David Keith
PATENT ASSIGNEE(S): Dow AgroSciences, LLC, USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002036595	A2	20020510	WO 2001-US46150	20011102
WO 2002036595	A3	20020718		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2002027180	A	20020515	AU 2002-27180	20011102
AU 780115	B2	20050303		
US 20020111361	A1	20020815	US 2001-935	20011102
US 6559101	B2	20030506		
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HU 2002004346	A2	20030428	HU 2002-4346	20011102
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AT 260917	T	20040315	AT 2001-992711	20011102
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JP 3911236	B2	20070509		
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CN 1262552	C	20060705	CN 2001-803443	20011102
RO 121339	B1	20070330	RO 2002-944	20011102
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IL 150493	A	20090504	IL 2001-150493	20011102
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ZA 2002005097	A	20040126	ZA 2002-5097	20020625
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MX 2002006640	A	20021023	MX 2002-6640	20020703
BG 106900	A	20030430	BG 2002-106900	20020703
PRIORITY APPLN. INFO.:			US 2000-245836P P	20001103

WO 2001-US46150 W 20011102
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 136:369730
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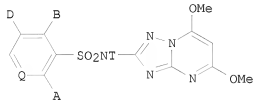
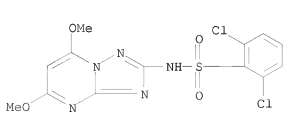


I

AB The title compds. [I; Q = N, CH; A, B = H, halo, R, etc.; D = H, halo, R; T = H, COR', SO2R', etc.; R = alkyl optionally possessing up to the maximum possible number of F substituents; R' = H, alkyl; and, when T = H, their agriculturally acceptable salts], useful as herbicides, were prepared from 2-amino-5,7-dimethoxy[1,2,4]triazolopyrimidine and appropriately substituted benzenesulfonyl chloride and pyridinesulfonyl chloride compds. Thus, reacting 2-amino-4,6-dimethoxypyrimidine with ethoxycarbonyl isothiocyanate in THF (87%) followed by cyclization of Et N-[N'-(4,6-dimethoxypyrimidin-2-yl)thiocarbamoyl]carbamate with H2NOH.HCl in the presence of (iso-Pr)2NEt in EtOH (82%), and amidation of 2-amino-5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidine with 2,6-dichlorobenzenesulfonyl chloride (92%) afforded I [Q = CH; A, B = Cl; D = H; T = H] which showed complete control against pigweed, cocklebur, blackgrass and wild oats at 17.5 g/ha in preemergence test.

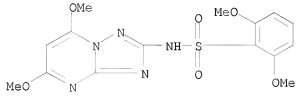
IT 422555-94-0P 422555-95-1P 422555-96-2P
422555-97-3P 422555-98-4P 422555-99-5P
422556-00-1P 422556-01-2P 422556-02-3P
422556-03-4P 422556-04-5P 422556-05-6P
422556-06-7P 422556-07-8P 422556-08-9P
422556-09-0P 422556-10-3P 422556-11-4P
422556-12-5P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl) arylsulfonamides as herbicides)

RN 422555-94-0 CAPLUS
CN Benzenesulfonamide, 2,6-dichloro-N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)- (CA INDEX NAME)

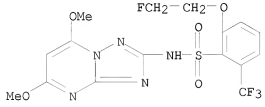


RN 422555-95-1 CAPLUS

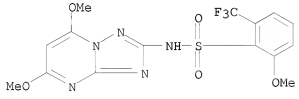
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2,6-dimethoxy- (CA INDEX NAME)



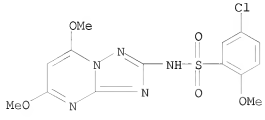
RN 422555-96-2 CAPLUS
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-(2-fluoroethoxy)-6-(trifluoromethyl)- (CA INDEX NAME)



RN 422555-97-3 CAPLUS
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-methoxy-6-(trifluoromethyl)- (CA INDEX NAME)

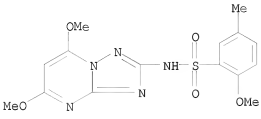


RN 422555-98-4 CAPLUS
CN Benzenesulfonamide, 5-chloro-N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-methoxy- (CA INDEX NAME)

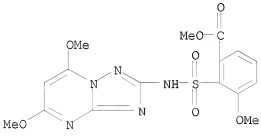


RN 422555-99-5 CAPLUS

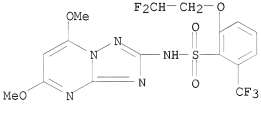
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-methoxy-5-methyl- (CA INDEX NAME)



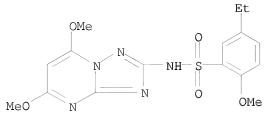
RN 422556-00-1 CAPLUS
CN Benzoic acid, 2-[[(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)amino]sulfonyl]-3-methoxy-, methyl ester (CA INDEX NAME)



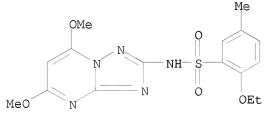
RN 422556-01-2 CAPLUS
CN Benzenesulfonamide, 2-(2,2-difluoroethoxy)-N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-6-(trifluoromethyl)- (CA INDEX NAME)



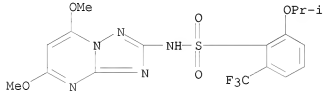
RN 422556-02-3 CAPLUS
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-5-ethyl-2-methoxy- (CA INDEX NAME)



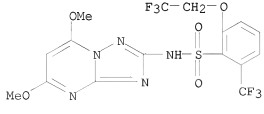
RN 422556-03-4 CAPLUS
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-ethoxy-5-methyl- (CA INDEX NAME)



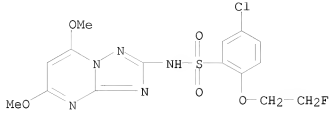
RN 422556-04-5 CAPLUS
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-(1-methylethoxy)-6-(trifluoromethyl)- (CA INDEX NAME)



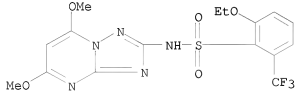
RN 422556-05-6 CAPLUS
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-(2,2,2-trifluoroethoxy)-6-(trifluoromethyl)- (CA INDEX NAME)



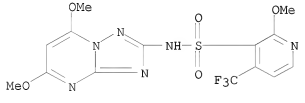
RN 422556-06-7 CAPLUS
CN Benzenesulfonamide, 5-chloro-N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-(2-fluoroethoxy)- (CA INDEX NAME)



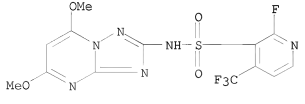
RN 422556-07-8 CAPLUS
CN Benzenesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-ethoxy-6-(trifluoromethyl)- (CA INDEX NAME)



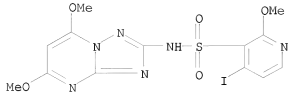
RN 422556-08-9 CAPLUS
CN 3-Pyridinesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-methoxy-4-(trifluoromethyl)- (CA INDEX NAME)



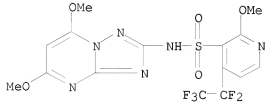
RN 422556-09-0 CAPLUS
CN 3-Pyridinesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-fluoro-4-(trifluoromethyl)- (CA INDEX NAME)



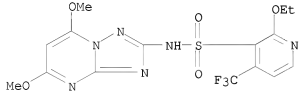
RN 422556-10-3 CAPLUS
CN 3-Pyridinesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-4-iodo-2-methoxy- (CA INDEX NAME)



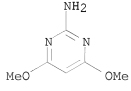
RN 422556-11-4 CAPLUS
CN 3-Pyridinesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-methoxy-4-(1,1,2,2,2-pentafluoroethyl)- (CA INDEX NAME)



RN 422556-12-5 CAPLUS
CN 3-Pyridinesulfonamide, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-ethoxy-4-(trifluoromethyl)- (CA INDEX NAME)



IT 36315-01-2, 2-Amino-4,6-dimethoxypyrimidine
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl) arylsulfonamides as herbicides)
RN 36315-01-2 CAPLUS
CN 2-Pyrimidinamine, 4,6-dimethoxy- (CA INDEX NAME)

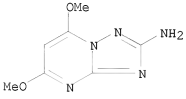


IT 13223-43-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)
(preparation of N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl) arylsulfonamides as herbicides)

RN 13223-43-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dimethoxy- (CA INDEX NAME)



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1988:580298 CAPLUS
DOCUMENT NUMBER: 109:180298
ORIGINAL REFERENCE NO.: 109:29703a,29706a
TITLE: Antifogging agent for silver halide color photographic material
INVENTOR(S): Oya, Yukio; Matsuzaka, Masashi
PATENT ASSIGNEE(S): Konica Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

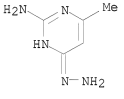
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63046442	A	19880227	JP 1987-103853	19870427
JP 2530846	B2	19960904		

PRIORITY APPLN. INFO.: JP 1986-97413 A1 19860426

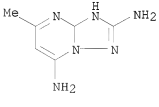
AB A rapid-processing color photog. material having reduced fog and improved storage stability is claimed which comprises a reflective support and ≥1 emulsion layer containing AgBrCl or AgBrClI grains having AgCl 90-99.9 mol%, wherein the emulsion layers contain ≥1 primary or secondary amine.

IT 28840-64-4 117032-69-6
RL: USES (Uses)
(antifogging agent, in rapid-processing photog. emulsion)

RN 28840-64-4 CAPLUS
CN 2-Pyrimidinamine, 4-hydrazinyl-6-methyl- (CA INDEX NAME)



RN 117032-69-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine-2,7-diamine, 1,3a-dihydro-5-methyl- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L10 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1970:21707 CAPLUS
DOCUMENT NUMBER: 72:21707
ORIGINAL REFERENCE NO.: 72:3977a,3980a
TITLE: Substituted tetraazaindenes, useful as stabilizing agents for photosensitive emulsions
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.
SOURCE: Fr., 8 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1555789		19690131	FR	19671207
DE 1695525			DE	
GB 1209146			GB	
US 3563755		19710216	US	19671205
US 3904620		19750909	US 1970-33096	19700429

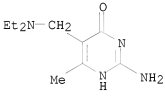
PRIORITY APPLN. INFO.: GB 19661209
GI For diagram(s), see printed CA Issue.
AB Title products (I), useful in photography as stabilizing agents for photosensitive emulsions, are prepared Diethylamine (II) (26 cc) is added slowly to a solution of 4.9 g 4-hydroxy-6-methyl-2-methylthio-1,3,3a,7-tetraazaindene (III), and 3.8 g paraformaldehyde (IV) in 40 cc Me2SO, and the mixture heated to 60° to give 6.5 g 4-hydroxy-5-(diethylaminomethyl)-6-methyl-2-methylthio-1,3,3a,7-tetraazaindene (V); diethylamine salt m. 168°, which acidified at pH 2 with HNO3 gives V.HNO3, m. 170-5° (decomposition). Similarly, a mixture of 4.9 g III, 1.56 g IV, and 2.6 cc II (in 40 cc BuOH) gives 1.3 g V, m. 150-5° (decomposition); a mixture of 37.5 g 4-hydroxy-6-methyl-1,3,3a,7-tetraazaindene (VI), 38 g IV, and 260 cc II gives 66 g 4-hydroxy-5-(diethylaminomethyl)-6-methyl-1,3,3a,7-tetraazaindene (VII) [diethylamine salt m. 148° (decomposition)], which with NaOH solution gives VII.Na salt. A mixture of 4 g 4-hydroxy-2-ethylthio-6-methylthio-1,3,3a,7-tetraazaindene, 2.5 g IV, and 17 cc II gives 3.4 g 4-hydroxy-5-(diethylaminomethyl)-2-ethylthio-6-methylthio-1,3,3a,7-tetraazaindene, m. 155-6° (decomposition). A mixture of 7.5 g VI, 7.5 g IV, and 50 cc piperidine (VIII) (in 50 cc BuOH) gives 6 g 4-hydroxy-5-piperidinomethyl-6-methyl-1,3,3a,7-tetr aazaindene, m. 214-18° (decomposition). A mixture of 11.8 g III, 5 cc 35% formol, and 6.5 cc VIII (in 50 cc EtOH) gives 14 g 4-hydroxy-5-piperidinomethyl-6-methyl-2-methylthio-1,3,3a,7-tetraazaindene dihydrate, m. 170° (decomposition). A mixture of 19.6 g III, 15.2 g IV, and 87 cc morpholine (in 80 cc BuOH) gives 17 g 4-hydroxy-5-(morpholinomethyl)-6-methyl-2-methylthio-1,3,3a,7-tetraazaindene nitrate, m. 192° (decomposition). A mixture of 16.5 g 2-amino-4-hydroxy-6-methyl-1,3,3a,7-tetraazaindene, 6 g IV, and 53 cc II gives 7 g 2-amino-4-hydroxy-5-(diethylaminomethyl)-6-methyl-1,3,3a,7-tetraazaindene, m. >360°. A mixture of 15 g VI, 6 g IV, and 50 cc 2-ethylaminoethanol gives 10 g 4-hydroxy-5-(2-hydroxydiethyl-aminomethyl)-6-methyl-1,3,3a,7-tetraazainde ne, m. 152-4° (decomposition). A mixture of 9.1 g 4-hydroxy-2-methylthio-1,3,3a,7-tetraazaindene, 3 g IV, and 26 cc II gives 1.5 g 4-hydroxy-5-(diethylaminomethyl)-2-methylthio-1,3,3a,7-tetraazaindene, m. 170-2° (decomposition). A mixture of 11.3 g

4-hydroxy-6-methyl-2-phenyl-1,3,3a,7-tetraazaindene, 3 g IV, and 26 cc II gives 9 g 4-hydroxy-5-(diethylaminomethyl)-6-methyl-2-phenyl-1,3,3a,7-tetraazaindene, m. >360°. A mixture of 9.8 g 4-hydroxy-6-methylthio-2-methyl-1,3,3a,7-tetraazaindene, 7.6 g IV, and 52 cc II (in 80 cc BuOH) gives 8.6 g 4-hydroxy-5-(diethylaminomethyl)-6-methylthio-2-methyl-1,3,3a,7-tetraazaindene, m. 179-81° (decomposition). These products are used as stabilizing agents for silver iodobromide photographic emulsions in concns. from 0.5 to 3 millimoles/mole silver.

IT 170798-44-4P
RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)
(Substituted tetraazaindenes, useful as stabilizing agents for photosensitive emulsions)

RN 170798-44-4 CAPLUS

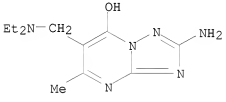
CN 4(3H)-Pyrimidinone, 2-amino-5-[(diethylamino)methyl]-6-methyl- (CA INDEX NAME)



IT 24715-76-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(as stabilizer for photographic emulsions)

RN 24715-76-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-ol, 2-amino-6-[(diethylamino)methyl]-5-methyl- (CA INDEX NAME)



L10 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1967:2528 CAPLUS
DOCUMENT NUMBER: 66:2528
ORIGINAL REFERENCE NO.: 66:551a,554a
TITLE: s-Triazolopyrimidines. IV. Synthesis as potential therapeutic agents
AUTHOR(S): Bee, J. A.; Rose, Francis Leslie
CORPORATE SOURCE: Univ. Manchester, Manchester, UK
SOURCE: Journal of the Chemical Society [Section] C: Organic (1966), (22), 2031-8
CODEN: JSOOAX; ISSN: 0022-4952
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 66:2528
GI For diagram(s), see printed CA Issue.
AB cf. CA 63, 4289b. The interaction of CNCl and 2-hydrazinopyrimidines under mild conditions yields 3-amino-s-triazolo[4,3-a]pyrimidines (I), which are isomerized under suitable conditions to the corresponding 2-amino-s-triazolo[2,3-a]pyrimidines (II). The mechanisms involved were in part elucidated starting from 2-hydrazinopyrimidines with alkoxyl groups in position 4 and (or) 6. 21 references.
IT 5217-61-8P 6339-72-6P 7135-02-6P
13223-39-7P 13223-40-0P 13223-41-1P
13223-43-3P 13223-44-4P 13223-48-8P
13223-49-9P 13223-52-4P 13223-53-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 5217-61-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-5(1H)-one, 2-amino-7-methyl- (CA INDEX NAME)

<------User Break------>

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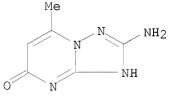
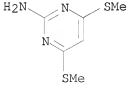
=> d l10 ibib abs hitstr 22-24

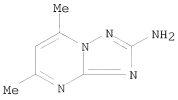
L10 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1967:2528 CAPLUS
DOCUMENT NUMBER: 66:2528
ORIGINAL REFERENCE NO.: 66:551a,554a
TITLE: s-Triazolopyrimidines. IV. Synthesis as potential therapeutic agents
AUTHOR(S): Bee, J. A.; Rose, Francis Leslie
CORPORATE SOURCE: Univ. Manchester, Manchester, UK
SOURCE: Journal of the Chemical Society [Section] C: Organic (1966), (22), 2031-8
CODEN: JSOOAX; ISSN: 0022-4952
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 66:2528
GI For diagram(s), see printed CA Issue.
AB cf. CA 63, 4289b. The interaction of CNCl and 2-hydrazinopyrimidines under mild conditions yields 3-amino-s-triazolo[4,3-a]pyrimidines (I), which are isomerized under suitable conditions to the corresponding 2-amino-s-triazolo[2,3-a]pyrimidines (II). The mechanisms involved were in part elucidated starting from 2-hydrazinopyrimidines with alkoxyl groups in position 4 and (or) 6. 21 references.
IT 5217-61-8P 6339-72-6P 7135-02-6P
13223-39-7P 13223-40-0P 13223-41-1P
13223-43-3P 13223-44-4P 13223-48-8P
13223-49-9P 13223-52-4P 13223-53-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 5217-61-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-5(1H)-one, 2-amino-7-methyl- (CA INDEX NAME)



RN 6339-72-6 CAPLUS
CN 2-Pyrimidinamine, 4,6-bis(methylthio)- (CA INDEX NAME)



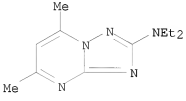
RN 7135-02-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dimethyl- (CA INDEX NAME)



RN 13223-39-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, N,N-diethyl-5,7-dimethyl-, ethanedioate (2:1) (CA INDEX NAME)

CM 1

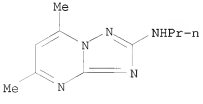
CRN 46696-95-1
CMF C11 H17 N5



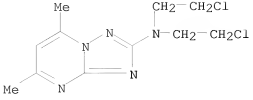
CM 2

CRN 144-62-7
CMF C2 H2 O4

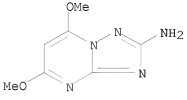
RN 13223-40-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dimethyl-N-propyl- (CA INDEX NAME)



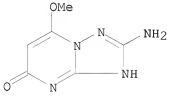
RN 13223-41-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, N,N-bis(2-chloroethyl)-5,7-dimethyl- (CA INDEX NAME)



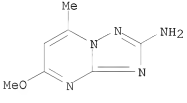
RN 13223-43-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5,7-dimethoxy- (CA INDEX NAME)



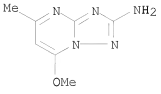
RN 13223-44-4 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-5(1H)-one, 2-amino-7-methoxy- (CA INDEX NAME)



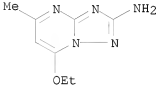
RN 13223-48-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5-methoxy-7-methyl- (CA INDEX NAME)



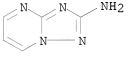
RN 13223-49-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 7-methoxy-5-methyl- (CA INDEX NAME)



RN 13223-52-4 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 7-ethoxy-5-methyl- (CA INDEX NAME)



RN 13223-53-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine (CA INDEX NAME)



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L10 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1961:21547 CAPLUS
DOCUMENT NUMBER: 55:21547
ORIGINAL REFERENCE NO.: 55:4215d-i,4216a-b
TITLE: Sensitizing photographic emulsions with ionic polyalkylene oxide salts
INVENTOR(S): Carroll, Burt H.; Elins, Herbert S.; Graham, James L.; Wilson, Charles V.
PATENT ASSIGNEE(S): Eastman Kodak Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2944900		19600712	US 1956-627136	19561210
DE 1080398			DE	
DE 1084131			DE	
GB 874077			GB	

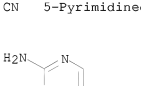
AB These compds., in contrast to non-ionic polyalkylene oxides, increase the light sensitivity of emulsions containing color couplers. They are used at the rate of 0.1 to 6 g. per mole of Ag halide in conjunction with azaindenes to reduce fogging. The ionic compds. have the general formula X(RO)nRY, where n is >3, R is an alkylene group of 2-4 C atoms, X and Y may be NR'(R'')(R''') or SR'(R'') combined with an anion, a pyridine residue, O2CNHCH2CO2H, O2CNHCH(CO2H)CH2CH2CO2H, 3,5-(HO3S)2C6H3CO2, or OSO3H. X may also be an alkyl or alkylphenoxy group. R', R'', and R''' are alkyl groups. Cl(CH2CH2O)8CH2CH2Cl (I), b0.1-0.2 237-43°, was prepared from 59 g. SOCl2 and 103.5 g. HO(CH2CH2O)8CH2CH2OH in 40 g. dry C5H5N at 0-10° in 23% yield. I, 9 g., in 175 ml. EtOH was added to 4.9 g. Na2SO3 in 100 ml. H2O and refluxed 18 hrs. Evaporation of solvents left a waxy solid which was separated from inorg. salt by solution in 100 ml. hot EtOH. Filtering and evaporating the EtOH left 8.5 g. (73%) of NaO3SO(CH2CH2O)8CH2CH2OSO3Na as a wax. ClSO3H, 21.6 g., was slowly added to 144 g. HO(CH2CH2O)35CH2CH2OH in 400 ml. CH2Cl2 at 0°. Then N was bubbled in 2 hrs. more at 0°, and the solution left overnight at room temperature Removal of CH2Cl2 in vacuo to 45° left 156 g. (97%) of HO3SO(CH2CH2O)35CH2CH2OSO3H as a wax. Similarly, HO3SO(CH2CH2O)75CH2CH2OSO3H (white wax) and 4-tert-C8H17C6H4O(CH2CH2O)11CH2CH2OSO3H, brown syrup, were prepared A mixture of 137 g. HO(CH2CH2O)35CH2CH2OH and 36 g. MeO2CCH(NCO)CH2CH2CO2Me was heated at 65-70° for 24 hrs. with exclusion of moisture. Portionwise addition of 14.5 g. NaOH in 35 ml. H2O while heating 3 hrs. at 60-70° with occasional addition of H2O gave a solution of NaO2CCH2CH2CH(CO2Na)NHCO2(CH2CH2O)35CH2CH2O2CNHCH(CO2Na)CH2CH2CO2Na, not isolated. Similarly, solns. of C18H35O(CH2CH2O)12CH2CH2O2CNHCH(CO2Na)CH2CH2CO2Na, C16H33O(CH2CH2O)27CH2CH2O2CNHCH(CO2Na)CH2CH2CO2Na, and 4-tert-C8H17C6H4O(CH2CH2O)30CH2CH2O2CNHCH(CO2Na)CH2CH2CO2Na were prepared The reaction of OCNCH2CO2Et and HO(CH2CH2O)75CH2CH2OH followed by saponification gave NaO2CCH2NHCO2(CH2CH2O)75CH2CH2O2CNHCH2CO2Na in solution To 2,4,3,6-Cl2(Me)(2,5-[2,4-(tert-C5H11)2C6H3O](H2N)C6H3CONH)C6HOH in Me2CO was added 1 equivalent of MeCO2(CH2CH2O)34CH2COCl (II) and 1 equivalent of quinoline. Refluxing 1.5 hrs., filtering, and evaporating Me2CO from the filtrate left white needles, m. 49-50 (60:40 benzene:ligroine). II was

prepared by treating the corresponding polyglycol in succession with Na, ClCH2CO2H, Ac2O, and SOCl2. A mixture of 46.6 g. 4-tert-C8H17C6H4O(CH2CH2O)4CH2CH2OH, 11 g. Et3N, and 11.5 g. MeSO2Cl in dry Et2O was kept at room temperature 3 days. Filtering Et3N.HCl and evaporating Et2O gave 50 g. 4-tert-C8H17C6H4O(CH2CH2O)4CH2CH2OSMe (III), colorless liquid III (5.03 g.) and 0.8 g. C5H5N heated 18 hrs. on the steam bath yielded the pyridinium compound as a H2O-soluble liquid. The preparation of 4-hydroxy-6-methyl-1,3,3a,7-tetraazaindene, m. 285-7°; 7-hydroxy-1,2,3,4,6-pentaazaindene; 2,4-dihydroxy-6-methyl-1,3a,7-triazaindene, m. 310°; 1,2-bis(4-hydroxy-6-methyl-1,3,3a,7-tetraazaindene-5-yl)ethane, m. >310°; 2-amino-5-carboxy-4-hydroxy-1,3,3a,7-tetrazaindene, m. >300° 4-hydroxy-2-(2-hydroxyethyl)-6-methyl-1,3,3a,7-tetraazaindene, m. 262-3°; 4-hydroxy-2-(β-hydroxypropionylhydrazino)-6-methylpyrimidine, m. 233-4°; and 1,2,3,4-tetrakis(4-hydroxy-6-methyl-1,3,3a,7-tetraazainden-2-yl) butane is described.

IT 40769-70-8P
RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)
(Sensitizing photographic emulsions with ionic polyalkylene oxide salts)

RN 40769-70-8 CAPLUS

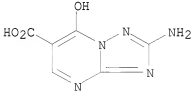
CN 5-Pyrimidinecarboxylic acid, 2-amino-1,6-dihydro-6-oxo- (CA INDEX NAME)



IT 72058-05-0, s-Triazolo[1,5-a]pyrimidine-6-carboxylic acid, 2-amino-7-hydroxy-
(as photographic antifoggant)

RN 72058-05-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-6-carboxylic acid, 2-amino-7-hydroxy- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L10 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1959:11909 CAPLUS
DOCUMENT NUMBER: 53:11909
ORIGINAL REFERENCE NO.: 53:2262d-h
TITLE: Polyazaindenes
INVENTOR(S): Burness, Donald M.
PATENT ASSIGNEE(S): Eastman Kodak Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

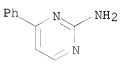
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2837521		19580603	US 1956-577457	19560411

AB 4,4-Dimethyl-2-butanone (I) (80 g.) and 42 g. 3-amino-1,2,4-triazole (II) in 750 ml. xylene heated 5 hrs. to distill the MeOH and H2O formed gave 6-methyl-1,3,3a,7-tetrazaindene (III), m. 182-3°; with C6H6 as solvent the reaction required 2.5 days. Heating I and II without solvent also gave III. 4-Methoxy-3-buten-2-one and II in HCONMe2 gave III in 9 days. 3,5-Diamino-1,2,4-triazole (IV) and I in xylene gave 2-amino-6-methyl-1,3,3a,7-tetrazaindene, m. 210-11°. I and 3-amino-5-methylthio-1,2,4-triazole in xylene gave 2-methylthio-6-methyl-1,3,3a,7-tetrazaindene (or isomer), m. 125-6°. I and 4-amino-1,2,4-triazole gave 5-methyl-1,2,3a,4-tetrazainolene, m. 167-8°. I and aminotetrazole in xylene and HCONMe2 gave 6-methyl-1,2,3,3a,7-pentazaindene. I and 2-aminobenzimidazole gave 2-methyl-1,4a,9-triazafluorene, m. 233°. β,β-Dimethoxypropiophenone and IV heated in xylene 10 hrs. gave 2-amino-6-phenyl-1,3,3a,7-tetrazaindene, m. 267°. 4,4-Dimethoxy-3-methyl-2-butanone and II gave 2 isomeric dimethyltetrazaindenes, m. 178° and, m. 91-9°. IV and 2-(dimethoxymethyl)cyclohexanone gave a mixture of isomers, one crystallizing from HCONMe2, m. 317-18°. Polyazaindenes containing an SH group give the carboxymethylthio compds. by reaction with ClCH2CO2H. Thus, 19 g. 3-mercapto-6-hydroxy-4-methyl-1,2,3a,7-tetrazaindene and 10 g. NaOH in 350 ml. H2O, treated with 12 g. NaO2CCH2Cl, heated on a steam bath 2 hrs., and AcOH added gave 17 g. 3-carboxymethylthio-6-hyroxy-4-methyl-1,2,3a,7-tetrazaindene, m. 239-41°. In the same manner 1-carboxymethylthio-5-methyl-2,3,9b-triazabenz[g]indene, m. 229-30°, was prepared from the mercapto compound These polyazaindenes are useful stabilizers in photographic emulsions.

IT 2305-87-5P
RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)
(Polyazaindenes)

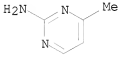
RN 2305-87-5 CAPLUS

CN 2-Pyrimidinamine, 4-phenyl- (CA INDEX NAME)

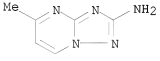


IT 108-52-1P, Pyrimidine, 2-amino-4-methyl- 99969-13-8P

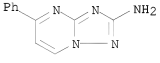
, s-Triazolo[1,5-a]pyrimidine, 2-amino-5-methyl- 103907-17-1P,
s-Triazolo[1,5-a]pyrimidine, 2-amino-5-phenyl-
RL: PREP (Preparation)
(preparation of)
RN 108-52-1 CAPLUS
CN 2-Pyrimidinamine, 4-methyl- (CA INDEX NAME)



RN 99969-13-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5-methyl- (CA INDEX NAME)



RN 103907-17-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-2-amine, 5-phenyl- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)